

Rabbit anti Bovine IgG (heavy and light chains) Secondary Antibody

Rabbit anti Bovine IgG (heavy and light chains), conjugated with Horseradish peroxidase

CATALOG # AAA77572	HOST Rabbit	APPLICATIONS Immunoblot, Western Blot, Dot Blot, Immunohistochemistry, Immunocytochemistry, ELISA
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PRODUCT SYNONYMS

Rabbit anti Bovine IgG (heavy and light chains); Polyclonal Secondary Antibody; conjugated with Horseradish peroxidase; Rabbit anti Bovine IgG (heavy and light chains) secondary antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Clonality	Polyclonal
Specificity	Horseradish peroxidase–conjugated IgG fraction of polyclonal Rabbit antiSerum to Bovine IgG, heavy and light chains.
Form/Format	HRP; Peroxidase-coupled purified hyperimmune rabbit IgG lyophilized from a solution in phosphate buffered saline (PBS, pH 7.2). No preservative added, as it may interfere with the antibody activity.
Applicable Applications for Rabbit anti Bovine IgG (heavy and light chains) secondary antibody	IB (Immunoblot), DB (Dot Blot), IHC (Immunohistochemistry), ICC (Immunocytochemistry), ELISA
Source	Purified normal IgG isolated from pooled bovine serum. Freund's complete adjuvant is used in the first step of the immunization procedure.
Cross Reactivity/Species Reactivity	Inter-species cross-reactivity is a normal feature of antibodies to immunoglobulins, since Ig of different species frequently share antigenic determinants. Cross-reactivity of this antiSerum has been tested in double radial immunodiffusion with the following results: Cat + Chicken - Dog + Duck - Goat ++ Guinea Pig + Hamster + Horse ++ Human ++ Mouse + Monkey + pigeon - Rat + Sheep ++ Swine + Turkey - A negative cross-reaction in double radial immunodiffusion does not exclude some reaction in more sensitive techniques.
Product	Peroxidase-coupled purified hyperimmune rabbit IgG lyophilized from a solution in phosphate buffered saline (PBS, pH 7.2). No preservative added, as it may interfere with the antibody activity. It is reconstituted by adding 1 ml sterile distilled water, spun down to remove insoluble particles, divided into small aliquots, frozen and stored at or below -20°C.
Preparation and Storage	The lyophilized conjugate is shipped at ambient temperature and may be stored at +4°C; prolonged storage at or below -20°C. Prior to use, an aliquot is thawed slowly at ambient temperature, spun down again and used to prepare working dilutions by adding sterile phosphate buffered saline (PBS, pH 7.2). Repeated thawing and freezing should be avoided. Working dilutions should be stored at +4°C, not refrozen, and preferably used the same day. If a slight precipitation occurs upon storage, this should be removed by centrifugation. It will not affect the performance of the immunoconjugate.

ADDITIONAL INFORMATION

Related Product Information for Rabbit anti Bovine IgG (heavy and light chains) secondary antibody	The reactivity of the antiserum is directed to the Fc and Fab subunits of the IgG molecule. It includes a certain degree of reactivity with other immunoglobulins via the common Fab portion. It does not react with any non-Ig protein in bovine serum, as tested by immunoelectrophoresis and double radial immunodiffusion. In enzyme-immunocytochemical and immunohistochemical staining for the detection of IgG, antigen or antibody, of appropriately treated cell and tissue substrates at the cellular and subcellular level. In nonisotopic assay methodology (e.g. ELISA) to identify and measure a specific IgG in bovine serum or other body fluid. In electron microscopy, since the complex between the conjugated antibody and the antigen also has electron-dense properties. This immunoconjugate is not pre-diluted. The optimum working dilution of each conjugate should be established by titration before being used. Excess labelled antibody must be avoided because it may cause high unspecific background staining and interfere with the specific signal
Product Categories/Family for Rabbit anti Bovine IgG (heavy and light chains) secondary antibody	Conjugated Secondary Antibody

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://www.aaabiotech.com/polyclonal/rabbit-anti-bovine-igg-heavy-and-light-chains-secondary-antibody-immunoblot-dot-blot-immunohistochemistry-immunocytochemistry-elisa/77572>